



## Montag Manufacturing, Inc.

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### HOOKING UP THE CASE DRAIN ALARM

1. The zero pressure case drain alarm cable gets routed to the tractor cab and hooked to 12 volt DC + and – terminals. This will warn the operator if the pressure on the case drain line is above 23 PSI.

### HOOKING UP THE HYDRAULICS

1. The port marked CD on the front of the hydraulic block MUST return to the zero pressure or case drain return port on your tractor. The port marked P on the front of the hydraulic block is the Inlet Pressure port. It gets hooked up to the pressure side of the valve stack on your tractor.
2. See the Hydraulic Schematic for your system to determine the return line connection. The return oil from the system should return to a hydraulic motor return port on your tractor. Not the valve stack. If you do not know the location of these ports on your tractor, please contact your local tractor manufacturer's service department.
3. When everything is plumbed correctly, and the Montag is running, the gages on the hydraulic block should read as follows. GP port (on the left) is the inlet pressure 1500-2850 PSI depending on the number of rows. Lower pressure for 8 row machines and higher pressure for 24 row machines and Twin Bins. The GT port (on the right) Return Pressure should read 0-200 PSI. If it is higher than 200 PSI make sure it is returning to a hydraulic motor return port and look for any restrictions in the line at fittings, couplers and hoses. The lower you can keep the return pressure the more efficient your system will operate.

### HYDRAULIC REQUIREMENTS

The following tractor hydraulic capacity requirements apply for any dry fertilizer application.

Model	Rows	Hydraulic Capacity	Hydraulic Pressure	Minimum Hydraulic Hose Size		
				Pressure	Return	Case Drain
GEN I	8 or 12	16 gpm (61 lpm)	2500 psi (172 bar)	½ inch	¾ inch	½ inch
GEN I	16	18 gpm (68 lpm)	2600 psi (179 bar)	¾ inch	¾ inch	½ inch
GEN I	18, 24 or Dual Placement	20 gpm (76 lpm)	2850 psi (197 bar)	¾ inch	1 inch	½ inch
GEN II	All Rows	20 gpm (76 lpm)	2850 psi (197 bar)	¾ inch	1 inch	½ inch



### Case Drain & Motor Return Tractor Connection Guide for Great Plains YP Planters and Air Drills

To view go to the following link:

<http://www.greatplainsmfg.com/manuals/pdf/CDMR101209.pdf>